AMENDMENTS TO THE CLAIMS:

Claims 1,3,5,6,8,10-13,15-17 and 19-21 are pending in the application.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A process for producing a synthetic resin foam comprising the step of reacting at least one polyol with at least one polyisocyanate compound in the presence of an organic blowing agent and a catalyst,

the blowing agent being a mixture comprising 1,1,1,3,3-pentafluorobutane (HFC-365mfc) and at least one low-boiling halogen-containing compound,

wherein the organic blowing agent and the polyol mixture forms a premix which is substantially nonflammable;

wherein the at least one low-boiling halogen-containing compound is nonflammable and has a relatively low thermal conductivity and a boiling point of about -90 to about [[10]] 60°C [[and]],

the thermal conductivity of the halogen-containing compounds in the gaseous state is about 8 to about 30 mW/mK at about 1 atmospheric pressure, and

the halogen-containing compound is at least one member selected from the group consisting of 1,2,2-trifluoroethylene trifluoromethyl ether (CF₂=CFOCF₃), 1,2,2-trifluoroethylene 1,1,2,2,3,3,3-heptafluoropropyl ether (CF₂=CFOCF₂CF₃CF₃), perfluoropropyl epoxide

 $(CF_3CF(O)CF_2)$, perfluoro-1-butene $(CF_3=CFCF_2CF_3)$, perfluorohexenes (C_6F_{12}) , perfluorononenes (C_0F_{18}) , perfluorohexane (C_0F_{14}) , perfluorocyclobutane $(c-C_4F_8)$, iodotrifluoromethyl (CF_3I) , 1,1,1,2,3,3-hexafluoropropane (CF,CFHCF,H), 1,1,1,3,3,3-hexafluoropropane (CF,CH,CF₁), 1,1,1,2,3,3,3-heptafluoropropane (CF₃CFHCF₃), pentafluoroethane (CF₃CF₂H), tetrafluoroethanes (CHF₂CHF₂, CF₃CFH₂), trifluoromethane (CF₃H), 1,1,2,2,3,3,4,4-octafluorobutane (CF₂HCF₂CF₂CF₃H), 1,1,1,2,2,3,4,5,5,5-decafluoropentane (CF₃CF₂CFHCFHCF₃), 2trifluoromethyl-1,1,1,2,3,4,5,5,5-nonafluoropentane ($C_6F_{12}H_2$), 3,3,4,4,5,5,6,6,6-nonafluoro-1-hexene (F(CF₂)₄CH=CH₂), 2,3,3,4,4,5,5-heptafluoro-1-pentene (CH₂CFCF₂CF₂CF₂H), trifluoroethylene (CF₂CFH), 1,1,2,2-tetrafluoroethyl difluoromethyl ether (CF₂HCF₂OCHF₂), 1,1,2,2-tetrafluoroethyl methyl ether (CF, HCF, OCH3), 2,2,2-trifluoroethyl 1,1,2,2-tetrafluoroethyl ether (CF₃CH₂OCF₂CF₂H), 1,1,2,3,3,3-pentafluoropropyl methyl ether (CF₃CFHCF₂OCH₃), nonafluorobutyl methyl ether (C₄F₉OCH₃), 1-trifluoromethyl-1,2,2,2-tetrafluoroethyl methyl ether ((CF₃), CFOCH₃), perfluoropropyl methyl ether (CF₃CF₂CF₂OCH₃), 2,2,3,3,3-pentafluoropropyl difluoromethyl ether (CF₃CF₂CH₂OCHF₂), 1,2,3,3,4,4-hexafluorocyclobutane (c-C₄F₄H₂), 1-chloro-1,1,2,2,3,3,4,4-octafluorobutane (CF,CICF,CF,CF,H, boiling point: 50°C), 1,2dichlorohexafluorocyclobutane (-CFClCFClCF₂CF₂-, boiling point: 60°C), and 1,1,1,3,3,3hexafluoropropan-2-ol (CF₃CH(OH)CF₃, boiling point: 59°C); [[and]]

wherein the organic blowing agent further comprises at least one member selected from the group consisting of ethylene glycol compounds and [[amine]] amide compounds [[.]]; and wherein the ethylene glycol compound is at least one member selected from the group

consisting of those of the following Formulae (I), (II) and (III):

 $\underline{C_1H_{2n+1}(OCH_2CH_2O)}_b\underline{C_cH_{2c+1}}$ (I)

wherein a represents 1, 2, 3 or 4; b represents 1, 2 or 3; and c represents 1, 2, 3 or 4;

 $\underline{C_dH_{2d+1}CO(OCH_2CH_2O)_cCOC_fH_{2f+1}}$ (II)

wherein d represents 0, 1, 2, 3 or 4; e represents 1, 2 or 3; and f represents 0, 1, 2, 3 or 4; and

 $\underline{C_i H_{2i+1} CO(OCH_2 CH_2 O)_j C_k H_{2k+1}}$ (III)

wherein i represents 0, 1, 2, 3 or 4; j represents 1, 2 or 3; and k represents 1, 2, 3 or 4.

Claim 2 (Canceled).

Claim 3 (Currently Amended): The process according to Claim 1, wherein the organic blowing agent comprises at least one ethylene glycol compound.

Claim 4 (Canceled).

Claim 5 (Previously Presented): The process according to Claim 1, wherein the halogen-containing compound has a boiling point lower than the boiling point of HFC-365mfc (40°C).

Claim 6 (Previously Presented): The process according to Claim 1, wherein the halogen-containing compound is nonflammable and has a boiling point of about 10 to about 60°C and a

thermal conductivity when it is in the gaseous state of about 8 to about 20 mW/mK at about 1 atmospheric pressure.

Claim 7 (Canceled).

Claim 8 (Previously Presented): The process according to Claim 1, wherein the halogen-containing compound is at least one member selected from the group consisting of saturated or unsaturated hydrofluoroethers (HFEs), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) and fluoroiodocarbons (FICs).

Claim 9 (Canceled).

Claim 10 (Previously Presented): The process according to Claim 1, wherein the halogen-containing compound is 1,1,1,2,3,3,3-heptafluoropropane (HFC227ea: CF₃CFHCF₃).

Claim 11 (Previously Presented): The process according to Claim 1, wherein the proportion of halogen-containing compound is about 1 to about 49 mol per 100 mol of HFC-365mfc and halogen-containing compound in total.

Claim 12 (Previously Presented): The process according to Claim 1, wherein the catalyst is a tertiary amine, an organometallic compound, or a mixture thereof.

Claim 13 (Previously Presented): An organic blowing agent for producing a synthetic resin foam, the organic blowing agent comprising 1,1,1,3,3-pentafluorobutane and at least one halogen-containing compound, the blowing agent being a mixture comprising 1,1,1,3,3-pentafluorobutane and at least one low-boiling halogen-containing compound,

wherein the organic blowing agent and [[the]] a polyol mixture forms a premix which is substantially nonflammable;

wherein the at least one low-boiling halogen-containing compound is nonflammable and has a relatively low thermal conductivity and a boiling point of about -90 to about [[10]] 60°C [[and]],

the thermal conductivity of the halogen-containing compounds in the gaseous state is about 8 to about 30 mW/mK at about 1 atmospheric pressure, and

the halogen-containing compound is at least one member selected from the group consisting of 1,2,2-trifluoroethylene trifluoromethyl ether (CF_2 = $CFOCF_3$), 1,2,2-trifluoroethylene 1,1,2,2,3,3,3-heptafluoropropyl ether (CF_2 = $CFOCF_2CF_2CF_3$), perfluoropropyl epoxide ($CF_3CF(O)CF_2$), perfluoro-1-butene (CF_2 = $CFCF_2CF_3$), perfluorohexenes (C_6F_{12}), perfluorononenes (C_0F_{18}), perfluorohexane (C_0F_{14}), perfluorocyclobutane (c- C_4F_8), iodotrifluoromethyl (CF_3I), 1,1,1,2,3,3-hexafluoropropane (CF_3CFHCF_2H), 1,1,1,3,3,3-hexafluoropropane (CF_3CFHCF_3), pentafluoroethane (CF_3CF_2H), tetrafluoroethanes

(CHF₂CHE₂, CF₃CFH₂), trifluoromethane (CF₃H), 1,1,2,2,3,3,4,4-octafluorobutane (CF₂HCF₂CF₂CF₂H), 1,1,1,2,2,3,4,5,5,5-decafluoropentane (CF₃CF₂CFHCFHCF₃), 2-trifluoromethyl-1,1,1,2,3,4,5,5,5-nonafluoropentane (C₄E₁₂H₂), 3,3,4,4,5,5,6,6,6-nonafluoro-1-hexene (F(CF₃)₄CH=CH₂), 2,3,3,4,4,5,5-heptafluoro-1-pentene (CH₂CFCF₂CF₂CF₂CF₂H), trifluoroethylene (CF₂CFH), 1,1,2,2-tetrafluoroethyl difluoromethyl ether (CF₂HCF₂OCHF₂), 1,1,2,2-tetrafluoroethyl methyl ether (CF₂HCF₂OCH₃), 2,2,2-trifluoroethyl 1,1,2,2-tetrafluoroethyl ether (CF₃CH₂OCF₂CF₂H), 1,1,2,3,3,3-pentafluoropropyl methyl ether (CF₃CFHCF₂OCH₃), nonafluorobutyl methyl ether (C₄E₅OCH₃), 1-trifluoromethyl-1,2,2,2-tetrafluoroethyl methyl ether ((CF₃)₂CFOCH₃), perfluoropropyl methyl ether (CF₃CF₂CF₂OCH₃), 2,2,3,3,3-pentafluoropropyl difluoromethyl ether (CF₃CF₂CH₂OCHF₂), 1,2,3,3,4,4-pexafluorocyclobutane (c-C₄F₆H₂), 1-chloro-1,1,2,2,3,3,4,4-octafluorobutane (CF₂CICF₂CF₂CF₂H, boiling point: 50°C), 1,2-dichlorohexafluorocyclobutane (-CFCICFCICF₂CF₂-, boiling point: 60°C), and 1,1,1,3,3,3-hexafluoropropan-2-ol (CF₂CH(OH)CF₃, boiling point: 59°C); [[and]]

wherein the organic blowing agent further comprises at least one member selected from the group consisting of ethylene glycol compounds and [[amine]] amide compounds [[.]]; and wherein the ethylene glycol compound is at least one member selected from the group consisting of those of the following Formulae (I), (II) and (III):

 $\underline{C}_{a}\underline{H}_{2a+1}(\underline{OCH}_{2}\underline{CH}_{2}\underline{O})_{b}\underline{C}_{c}\underline{H}_{2c+1}$ (I)

wherein a represents 1, 2, 3 or 4; b represents 1, 2 or 3; and c represents 1, 2, 3 or 4;

 $C_dH_{2d+1}CO(OCH_2\dot{C}H_2O)_cCOC_fH_{2f+1}$ (II)

wherein d represents 0, 1, 2, 3 or 4; e represents 1, 2 or 3; and f represents 0, 1, 2, 3 or 4; and $\underline{C_iH_{2i+1}CO(OCH_2CH_2O)_iC_kH_{2k+1}} \qquad (III)$

wherein i represents 0, 1, 2, 3 or 4; j represents 1, 2 or 3; and k represents 1, 2, 3 or

<u>4.</u>

Claim 14 (Canceled).

Claim 15(Currently Amended): The blowing agent according to Claim 13 comprising at least one ethylene glycol compound.

Claim 16 (Previously Presented): The blowing agent according to Claim 13, wherein the halogen-containing compound is 1.1.1,2,3,3,3-heptafluoropropane (HFC227ea: CF₃CFHCF₃).

Claim 17 (Previously Presented): A premix for producing a synthetic resin foam, the premix comprising 1,1,1,3,3-pentafluorobutane, at least one halogen-containing compound and at least one polyol,

the blowing agent being a mixture comprising 1,1,1,3,3-pentafluorobutane and at least one low-boiling halogen-containing compound,

wherein the premix is substantially nonflammable;

wherein the at least one low-boiling halogen-containing compound is nonflammable

and has a relatively low thermal conductivity and a boiling point of about -90 to about [[10]] 60°C [[and]].

the thermal conductivity of the halogen-containing compounds in the gaseous state is about 8 to about 30 mW/mK at about 1 atmospheric pressure, and

the halogen-containing compound is at least one member selected from the group consisting of 1,2,2-trifluoroethylene trifluoromethyl ether (CF₂=CFOCF₃), 1,2,2-trifluoroethylene 1.1.2.2.3.3.3-heptafluoropropyl ether (CF₂=CFOCF₂CF₃CF₃), perfluoropropyl epoxide $(CF_3CF(O)CF_2)$, perfluoro-1-butene $(CF_3=CFCF_2CF_3)$, perfluorohexenes (C_6F_{12}) , perfluorononenes (C_0F_{18}) , perfluorohexane (C_0F_{14}) , perfluorocyclobutane $(c-C_4F_8)$, iodotrifluoromethyl (CF_3I) , 1,1,1,2,3,3-hexafluoropropane (CF,CFHCF,H), 1,1,1,3,3,3-hexafluoropropane (CF,CH,CF,), 1,1,1,2,3,3,3-heptafluoropropane (CF₃CFHCF₃), pentafluoroethane (CF₃CF₂H), tetrafluoroethanes (CHF₂CHF₂, CF₃CFH₂), trifluoromethane (CF₃H), 1,1,2,2,3,3,4,4-octafluorobutane (CF, HCF, CF, CF, H), 1,1,1,2,2,3,4,5,5,5-decafluoropentane (CF, CF, CFHCFHCF,), 2trifluoromethyl-1,1,1,2,3,4,5,5,5-nonafluoropentane (C_0F_1 , H_2), 3,3,4,4,5,5,6,6,6-nonafluoro-1-hexene (F(CF₂)₄CH=CH₂), 2.3,3,4,4,5,5-heptafluoro-1-pentene (CH₂CFCF₂CF₂CF₂H), trifluoroethylene (CF2CFH), 1,1,2,2-tetrafluoroethyl difluoromethyl ether (CF2HCF2OCHF2), 1,1,2,2-tetrafluoroethyl methyl ether (CF, HCF, OCH3), 2,2,2-trifluoroethyl 1,1,2,2-tetrafluoroethyl ether (CF₃CH₂OCF₂CF₂H), 1,1,2,3,3,3-pentafluoropropyl methyl ether (CF₃CFHCF₂OCH₃), nonafluorobutyl methyl ether (C₄F₉OCH₃), 1-trifluoromethyl-1,2,2,2-tetrafluoroethyl methyl ether ((CF₃)₂CFOCH₃), perfluoropropyl methyl ether (CF₃CF₂CCH₃), 2,2,3,3,3-pentafluoropropyl

difluoromethyl ether (CF₃CF₂CH₂OCHF₂), 1,2,3,3,4,4-hexafluorocyclobutane (*c*-C₄F₆H₂), 1-chloro-1,1,2,2,3,3,4,4-octafluorobutane (CF₂CICF₂CF₂CF₂H, boiling point: 50°C), 1,2dichlorohexafluorocyclobutane (-CFCICFCICF₂CF₂-, boiling point: 60°C), and 1,1,1,3,3,3hexafluoropropan-2-ol (CF₃CH(OH)CF₃, boiling point: 59°C); [[and]]

wherein the organic blowing agent further comprises at least one member selected from the group consisting of ethylene glycol compounds and [[amine]] amide compounds[[.]]; and wherein the ethylene glycol compound is at least one member selected from the group consisting of those of the following Formulae (I), (II) and (III):

 $\underline{C_1H_2}_{n+1}(\underline{OCH_2CH_2O})_{b}\underline{C_cH_2}_{c+1}$ (I)

wherein a represents 1, 2, 3 or 4; b represents 1, 2 or 3; and c represents 1, 2, 3 or 4;

 $\underline{C}_{d}\underline{H}_{2d+1}\underline{CO(OCH_{2}CH_{2}O)}_{c}\underline{COC}_{f}\underline{H}_{2f+1}$ (II)

wherein d represents 0, 1, 2, 3 or 4; e represents 1, 2 or 3; and f represents 0, 1, 2, 3 or 4; and

 $\underline{C_i H_{2i+1} CO(OCH_2 CH_2 O)_j C_k H_{2k+1}} \qquad \qquad \underline{(III)}$

wherein i represents 0, 1, 2, 3 or 4; j represents 1, 2 or 3; and k represents 1, 2, 3 or 4.

Claim 18 (Canceled).

Claim 19 (Currently Amended): The premix according to Claim 17 comprising at least one ethylene glycol compound.

Claim 20 (Previously Presented): The premix according to Claim 17, wherein the halogen-containing compound is 1,1,1,2,3,3,3-heptafluoropropane (HFC227ea: CF₃CFHCF₃).

Claim 21 (Previously Presented): The premix according to Claim 17 that is nonflammable.